

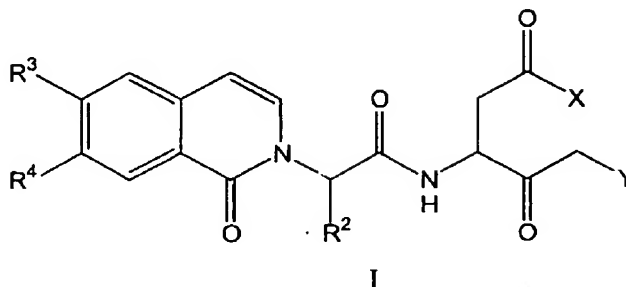
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Amendments to the Claims

This listing will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

1-49. (Canceled)

50. (New) A compound of formula I:



wherein:

X is -OR<sup>1</sup> or -N(R<sup>5</sup>)<sub>2</sub>,

Y is halo, trifluorophenoxy, or tetrafluorophenoxy;

R<sup>1</sup> is:

C<sub>1-6</sub> straight chained or branched alkyl, or C<sub>2-6</sub> straight chained or branched alkenyl or alkynyl, wherein the alkyl, alkenyl, or alkynyl is optionally substituted with optionally substituted phenyl, CF<sub>3</sub>, Cl, F, OMe, OEt, OCF<sub>3</sub>, CN, or NMe<sub>2</sub>;

C<sub>3-6</sub> cycloalkyl, wherein 1-2 carbon atoms in the cycloalkyl is optionally replaced with -O- or -NR<sup>5</sup>-;

R<sup>2</sup> is C<sub>1-6</sub> straight chained or branched alkyl;

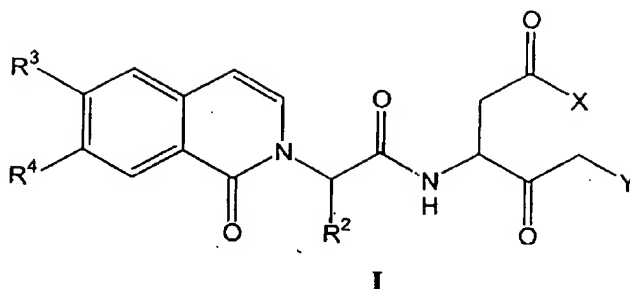
R<sup>3</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>;

R<sup>4</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

each R<sup>5</sup> is independently H, C<sub>1-6</sub> straight chained or branched alkyl, aryl, -O-C<sub>1-6</sub> straight chained or branched alkyl, or -O-aryl.

51. (New) A compound of formula I:

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wherein:

X is -OR<sup>1</sup> or -N(R<sup>5</sup>)<sub>2</sub>,

Y is halo, trifluorophenoxy, or tetrafluorophenoxy;

R<sup>1</sup> is:

C<sub>1-6</sub> straight chained or branched alkyl, or C<sub>2-6</sub> straight chained or branched alkenyl or alkynyl, wherein the alkyl, alkenyl, or alkynyl is optionally substituted with phenyl or CF<sub>3</sub>, or C<sub>3-6</sub> cycloalkyl, wherein 1-2 carbon atoms in the cycloalkyl is optionally replaced with -O- or -NR<sup>5</sup>-;

R<sup>2</sup> is C<sub>1-6</sub> straight chained or branched alkyl;

R<sup>3</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>;

R<sup>4</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

R<sup>5</sup> is H, C<sub>1-6</sub> straight chained or branched alkyl, or -O-C<sub>1-6</sub> straight chained or branched alkyl; provided that if:

Y is F;

R<sup>2</sup> is isopropyl, R<sup>3</sup> is hydrogen, and R<sup>4</sup> is Cl; or

R<sup>2</sup> is ethyl, R<sup>3</sup> is hydrogen, and R<sup>4</sup> is Cl or CF<sub>3</sub>; or

R<sup>2</sup> is ethyl, R<sup>3</sup> is Cl or CF<sub>3</sub>, and R<sup>4</sup> is hydrogen; then

R<sup>1</sup> is not t-butyl; and if

Y is 2,3,5,6-tetrafluorophenoxy;

R<sup>2</sup> is ethyl; and

R<sup>3</sup> and R<sup>4</sup> are each hydrogen; or

R<sup>3</sup> is hydrogen and R<sup>4</sup> is Cl or CF<sub>3</sub>; or

R<sup>3</sup> and R<sup>4</sup> are each Cl; then

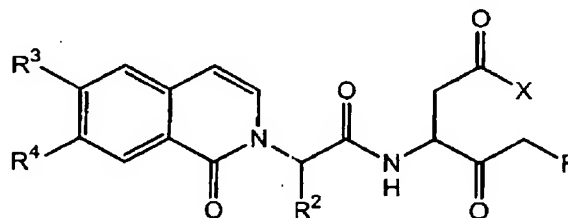
R<sup>1</sup> is not t-butyl.

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52. (New) The compound according to claim 50 or claim 51, wherein  $R^2$  is ethyl, n-propyl, or isopropyl.

53. (New) The compound according to claim 50 or claim 51, wherein Y is F, trifluorophenoxy, or tetrafluorophenoxy.

54. (New) The compound according to claim 50, having formula IA':

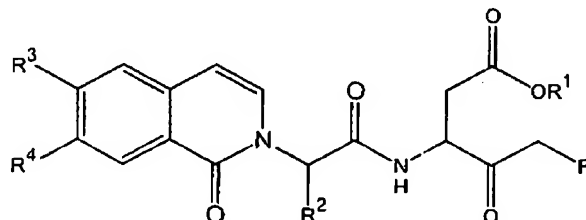


$R^2$  is ethyl, n-propyl, or isopropyl;

$R^3$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ; and

$R^4$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ .

55. (New) The compound according to claim 50, having formula IA:



$R^1$  is  $C_{1-6}$  straight chained or branched alkyl optionally substituted with phenyl or  $CF_3$ ;

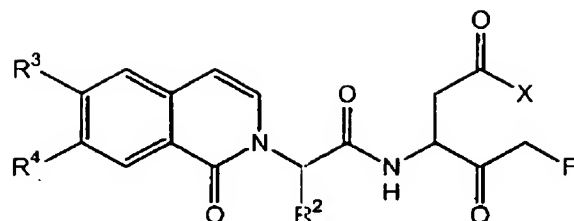
$R^2$  is ethyl, n-propyl, or isopropyl;

$R^3$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ; and

$R^4$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ .

56. (New) The compound according to claim 51, having formula IA':

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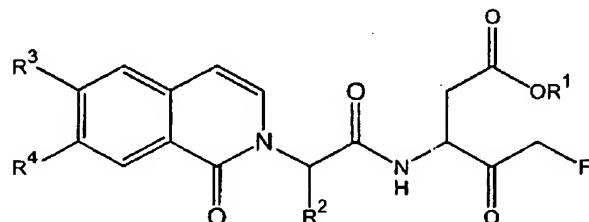


$R^2$  is ethyl, n-propyl, or isopropyl;

$R^3$  is hydrogen, halo,  $\text{OCF}_3$ , CN, or  $\text{CF}_3$ ; and

$R^4$  is hydrogen, halo,  $\text{OCF}_3$ , CN, or  $\text{CF}_3$ .

57. (New) The compound according to claim 51, having formula IA:



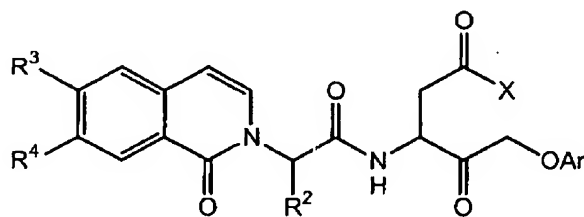
$R^1$  is  $\text{C}_{1-6}$  straight chained or branched alkyl optionally substituted with phenyl or  $\text{CF}_3$ ;

$R^2$  is ethyl, n-propyl, or isopropyl;

$R^3$  is hydrogen, halo,  $\text{OCF}_3$ , CN, or  $\text{CF}_3$ ; and

$R^4$  is hydrogen, halo,  $\text{OCF}_3$ , CN, or  $\text{CF}_3$ .

58. (New) The compound according to claim 50, having the formula IB':



wherein:

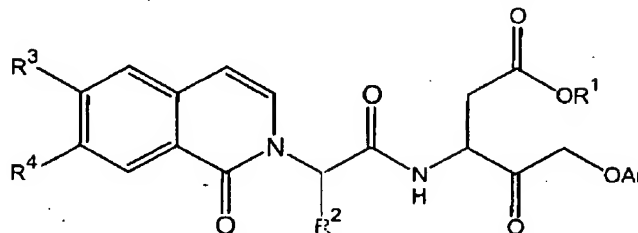
$R^2$  is ethyl, n-propyl, or isopropyl;

$R^3$  and  $R^4$  are each independently hydrogen, halo,  $\text{OCF}_3$ , CN, or  $\text{CF}_3$ ; and

Ar is trifluorophenyl or tetrafluorophenyl.

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59. (New) The compound according to claim 50, having the formula IB:



wherein:

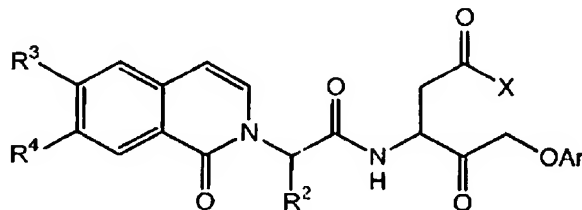
R<sup>1</sup> is C<sub>1-6</sub> straight chained or branched alkyl optionally substituted with phenyl or CF<sub>3</sub>;

R<sup>2</sup> is ethyl, n-propyl, or isopropyl;

R<sup>3</sup> and R<sup>4</sup> are each independently hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

Ar is trifluorophenyl or tetrafluorophenyl.

60. (New) The compound according to claim 51, having the formula IB':



wherein:

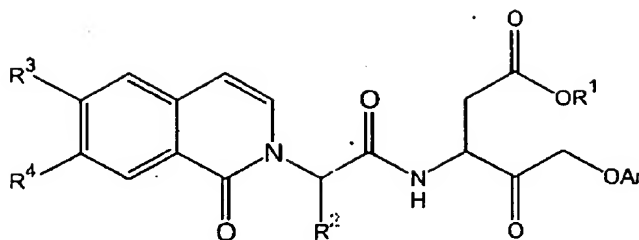
R<sup>2</sup> is ethyl, n-propyl, or isopropyl;

R<sup>3</sup> and R<sup>4</sup> are each independently hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

Ar is trifluorophenyl or tetrafluorophenyl.

61. (New) The compound according to claim 51, having the formula IB:

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wherein:

R<sup>1</sup> is C<sub>1-6</sub> straight chained or branched alkyl optionally substituted with phenyl or CF<sub>3</sub>;

R<sup>2</sup> is ethyl, n-propyl, or isopropyl;

R<sup>3</sup> and R<sup>4</sup> are each independently hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

Ar is trifluorophenyl or tetrafluorophenyl.

62. (New) The compound according to claim 59 or claim 61, wherein Ar is 2,3,5,6-tetrafluorophenyl.

63. (New) The compound according to any one of claims 54-62, wherein R<sup>2</sup> is ethyl.

64. (New) The compound according to any one of claims 54-61, wherein R<sup>3</sup> is H, and R<sup>4</sup> is F, Cl, or CF<sub>3</sub>.

65. (New) The compound according to any one of claims 54-61, wherein when Y is halo, then R<sup>3</sup> and R<sup>4</sup>, are not simultaneously hydrogen.

66. (New) The compound according to claim 63 wherein when Y is halo, then R<sup>3</sup> and R<sup>4</sup>, are not simultaneously hydrogen.

67. (New) The compound according to claim 64 wherein when Y is halo, then R<sup>3</sup> and R<sup>4</sup>, are not simultaneously hydrogen.

68. (New) The compound according to any one of claims 55, 57, 59, or 61, wherein X is -OR<sup>1</sup> and the R<sup>1</sup> is an alkyl group that is not substituted with phenyl or CF<sub>3</sub>.

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69. (New) The compound according to claim 66 wherein X is  $-OR^1$  and the  $R^1$  is ethyl or propyl.

70. (New) The compound according to any one of claims 54, 56, 58, or 60, wherein X is  $-N(R^5)_2$ .

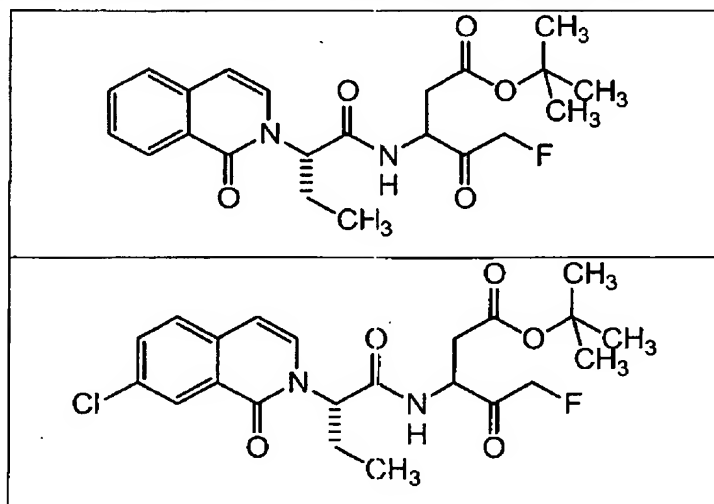
71. (New) The compound according to claim 70, wherein  $R^5$  is methyl, ethyl, or propyl.

72. (New) The compound according to claim 70, wherein X is  $-N(R^5)_2$  and one  $R^5$  is  $C_{1-6}$  straight chained or branched alkyl and the other  $R^5$  is  $-O-C_{1-6}$  straight chained or branched alkyl.

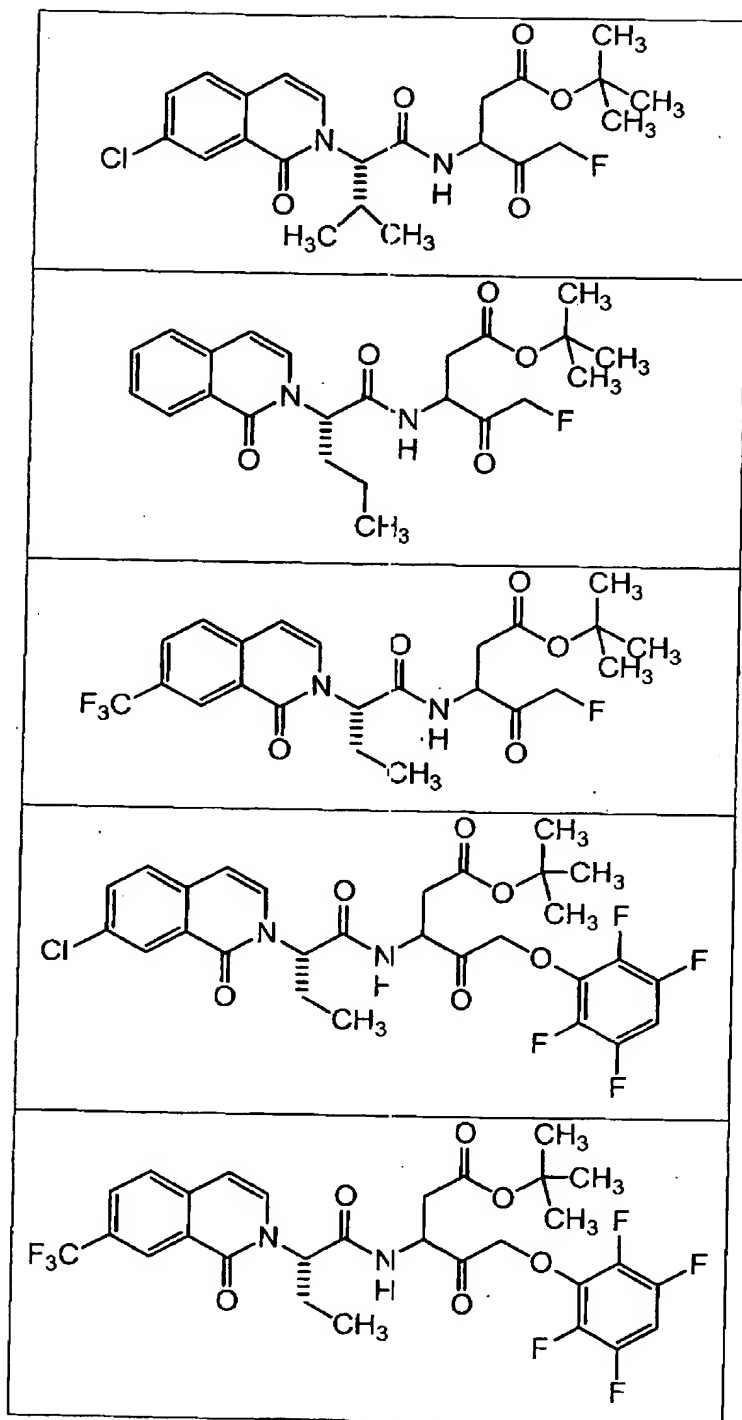
73. (New) The compound according to claim 70, wherein X is  $-N(R^5)_2$  and one  $R^5$  is H or  $-C_{1-6}$  straight chained or branched alkyl and the other  $R^5$  is  $-C_{1-6}$  straight chained or branched alkyl.

74. (New) The compound according to claim 73, wherein the  $C_{1-6}$  straight chained or branched alkyl is methyl, ethyl, or propyl.

75. (New) A compound selected from the following compounds:



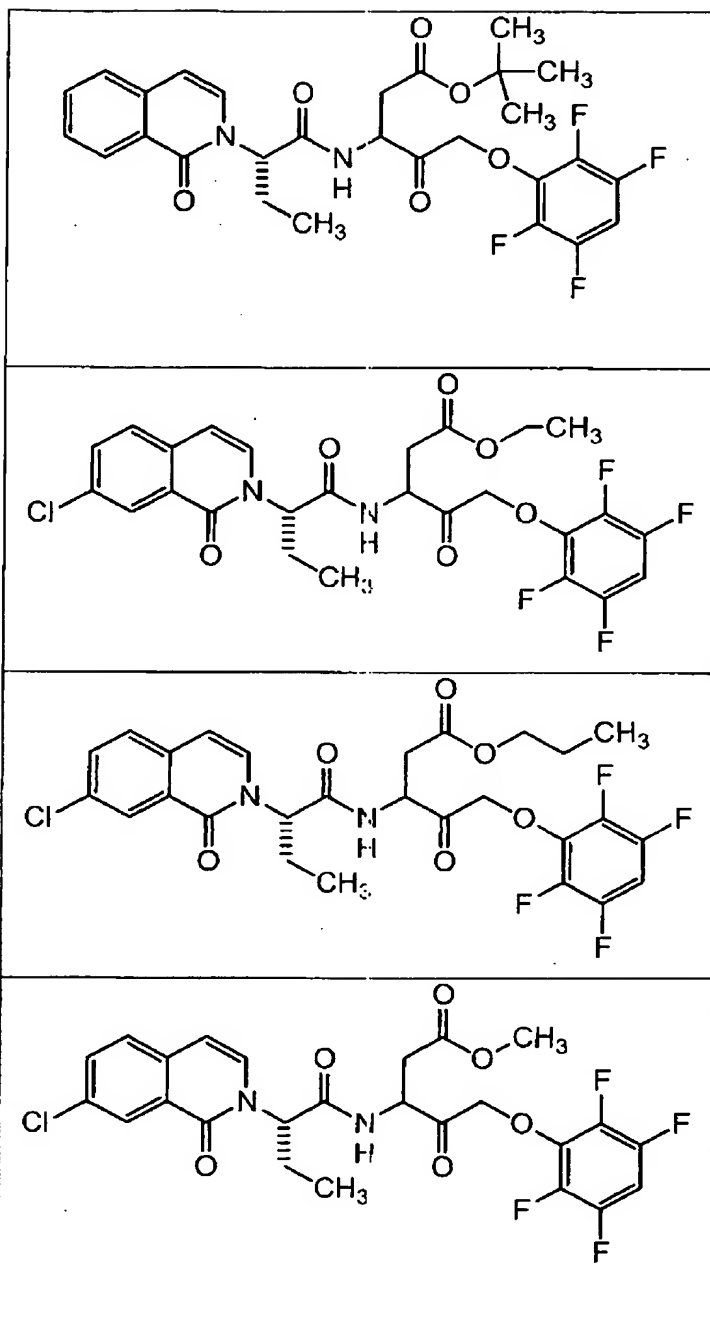
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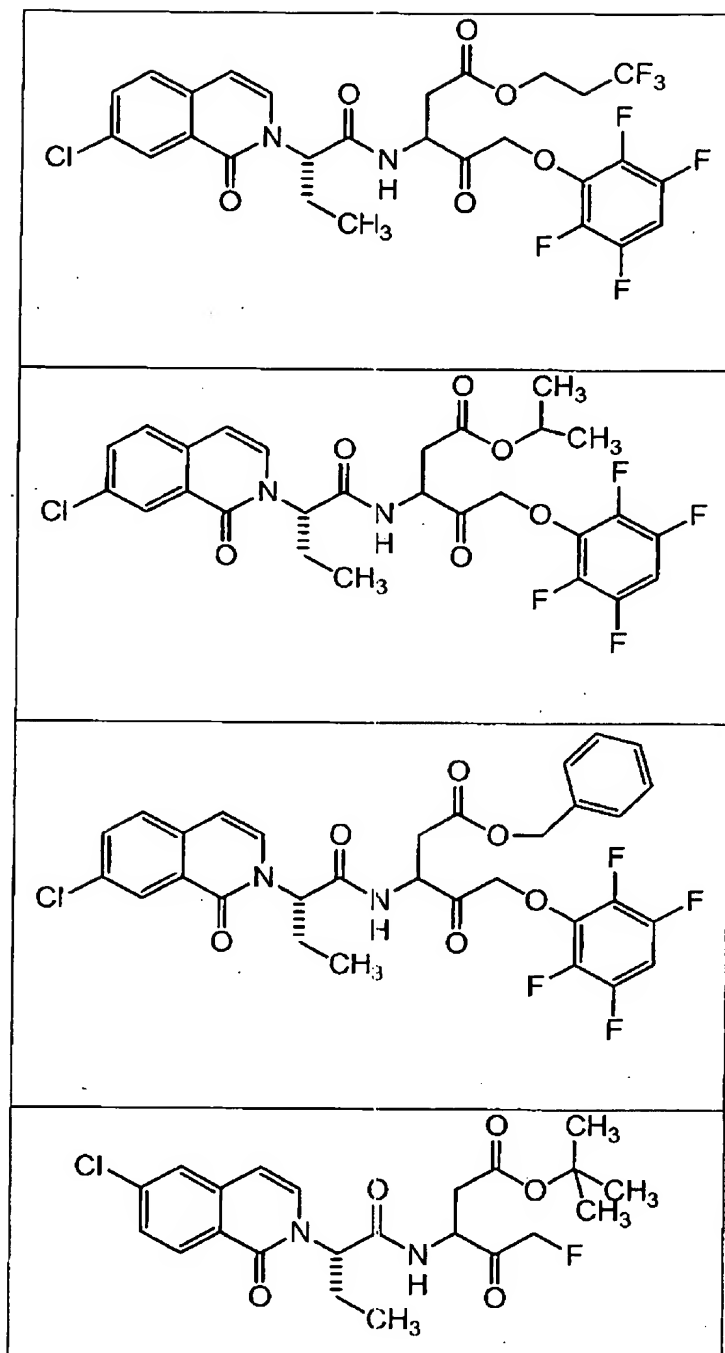




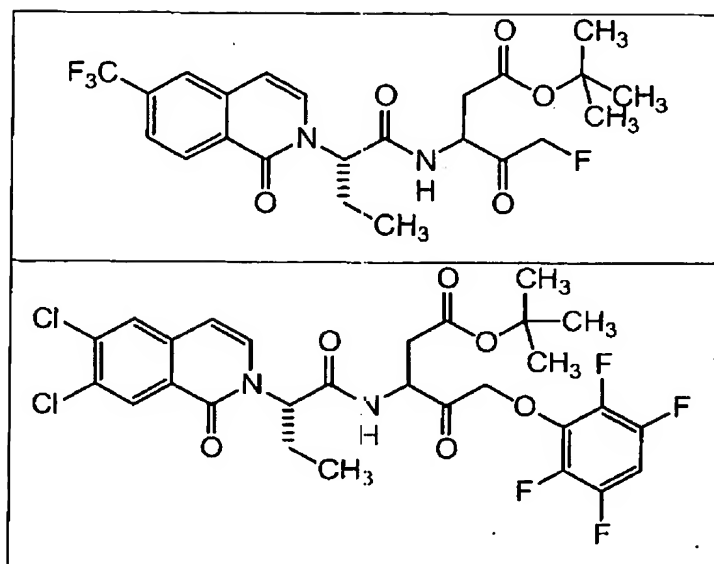
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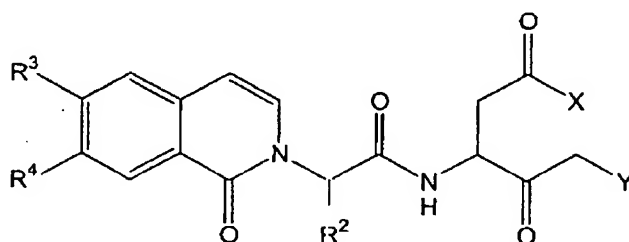
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76. (New) A pharmaceutical composition comprising:
- a) a compound according to claim 50 or claim 51; and
  - b) a pharmaceutically acceptable carrier, adjuvant or vehicle.
77. (New) A process for preparing a compound of formula I:



I

wherein:

X is -OR<sup>1</sup> or -N(R<sup>5</sup>)<sub>2</sub>,

Y is halo, trifluorophenoxy, or tetrafluorophenoxy;

$R^1$  is:

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C<sub>1-6</sub> straight chained or branched alkyl, or C<sub>2-6</sub> straight chained or branched alkenyl or alkynyl, wherein the alkyl, alkenyl, or alkynyl is optionally substituted with optionally substituted phenyl, CF<sub>3</sub>, Cl, F, OMe, OEt, OCF<sub>3</sub>, CN, or NMe<sub>2</sub>;

C<sub>3-6</sub> cycloalkyl, wherein 1-2 carbon atoms in the cycloalkyl is optionally replaced with -O- or -NR<sup>5</sup>-;

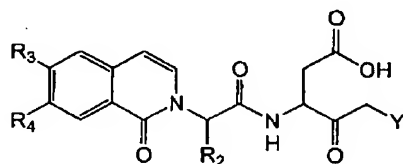
R<sup>2</sup> is C<sub>1-6</sub> straight chained or branched alkyl;

R<sup>3</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>;

R<sup>4</sup> is hydrogen, halo, OCF<sub>3</sub>, CN, or CF<sub>3</sub>; and

R<sup>5</sup> is H, C<sub>1-6</sub> straight chained or branched alkyl, aryl, -O-C<sub>1-6</sub> straight chained or branched alkyl, or -O-aryl;

comprising the step of reacting a compound of formula I':

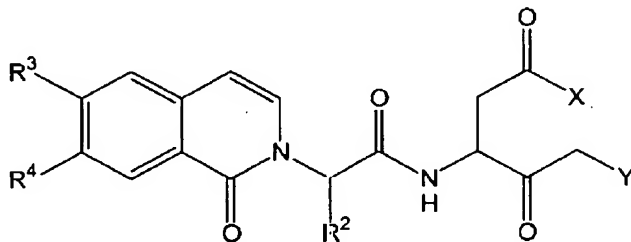


I'

wherein X, Y, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are as defined for formula I;

under conditions forming an ester or amide bond to provide a compound of formula I.

78. (New) A process for preparing a compound of formula I:



I

wherein:

X is -OR<sup>1</sup> or -N(R<sup>5</sup>)<sub>2</sub>,

Y is halo, trifluorophenoxy, or tetrafluorophenoxy;

R<sup>1</sup> is:

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$C_{1-6}$  straight chained or branched alkyl, or  $C_{2-6}$  straight chained or branched alkenyl or alkynyl, wherein the alkyl, alkenyl, or alkynyl is optionally substituted with optionally substituted phenyl,  $CF_3$ , Cl, F, OMe, OEt,  $OCF_3$ , CN, or  $NMe_2$ ;

$C_{3-6}$  cycloalkyl, wherein 1-2 carbon atoms in the cycloalkyl is optionally replaced with -O- or  $-NR^5$ ;

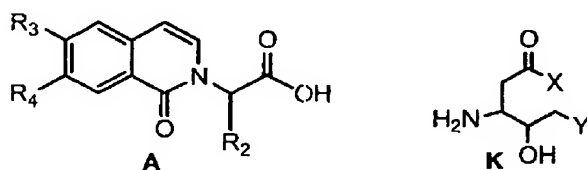
$R^2$  is  $C_{1-6}$  straight chained or branched alkyl;

$R^3$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ;

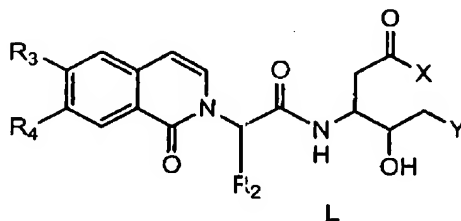
$R^4$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ; and

$R^5$  is H,  $C_{1-6}$  straight chained or branched alkyl, aryl, -O- $C_{1-6}$  straight chained or branched alkyl, or -O-aryl;

comprising the step of coupling a compound of formula A and a compound of formula K:



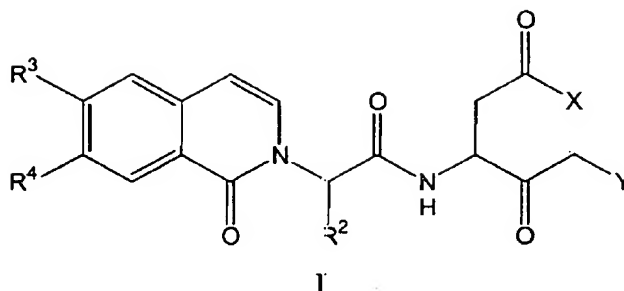
to provide a compound of formula L:



wherein X, Y,  $R^1$ ,  $R^2$ ,  $R^3$ , and  $R^4$  are as defined in formula I and wherein the hydroxy group in K is optionally protected.

79. (New) A process for preparing a compound of formula I:

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wherein:

X is  $-OR^1$  or  $-N(R^5)_2$ ,

Y is halo, trifluorophenoxy, or tetrafluorophenoxy;

$R^1$  is:

$C_{1-6}$  straight chained or branched alkyl, or  $C_{2-6}$  straight chained or branched alkenyl or alkynyl, wherein the alkyl, alkenyl, or alkynyl is optionally substituted with optionally substituted phenyl,  $CF_3$ , Cl, F, OMe, OEt,  $OCF_3$ , CN, or  $NMe_2$ ;

$C_{3-6}$  cycloalkyl, wherein 1-2 carbon atoms in the cycloalkyl is optionally replaced with  $-O-$  or  $-NR^5-$ ;

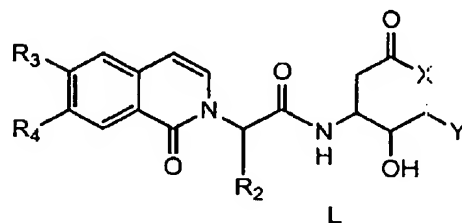
$R^2$  is  $C_{1-6}$  straight chained or branched alkyl;

$R^3$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ;

$R^4$  is hydrogen, halo,  $OCF_3$ , CN, or  $CF_3$ ; and

$R^5$  is H,  $C_{1-6}$  straight chained or branched alkyl, aryl,  $-O-C_{1-6}$  straight chained or branched alkyl, or  $-O$ -aryl;

comprising the step of oxidizing a compound of formula L:



wherein X, Y,  $R^1$ ,  $R^2$ ,  $R^3$ , and  $R^4$  are as defined for formula I; to provide a compound of formula I.